

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/001,469B  
Source: 1FW/6  
Date Processed by STIC: 4/4/06

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 04/04/2006

PATENT APPLICATION: US/10/001,469B

TIME: 09:18:06

Input Set : D:\51158-20024.20 - Sub Seqlist .txt

Output Set: N:\CRF4\04042006\J001469B.raw

4 <110> APPLICANT: Jakobovits, Aya  
 5 Raitano, Arthur B.  
 6 Afar, Daniel E.H.  
 7 Saffran, Douglas C.  
 8 Hubert, Rene S.  
 9 Faris, Mary  
 10 Challita-Eid, Pia M.

13 <120> TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN  
 14 ENTITLED 101P3A11 USEFUL IN TREATMENT AND DETECTION OF  
 15 CANCER

17 <130> FILE REFERENCE: 511582002420  
 19 <140> CURRENT APPLICATION NUMBER: US 10/001,469B  
 20 <141> CURRENT FILING DATE: 2001-10-31  
 22 <150> PRIOR APPLICATION NUMBER: US 60/157,902  
 23 <151> PRIOR FILING DATE: 1999-10-05  
 25 <150> PRIOR APPLICATION NUMBER: US 60/291,118  
 26 <151> PRIOR FILING DATE: 2001-05-15  
 28 <150> PRIOR APPLICATION NUMBER: US 09/680,728  
 29 <151> PRIOR FILING DATE: 2000-10-05  
 31 <160> NUMBER OF SEQ ID NOS: 2976  
 33 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 35 <210> SEQ ID NO: 1  
 36 <211> LENGTH: 9  
 37 <212> TYPE: PRT  
 38 <213> ORGANISM: Artificial Sequence  
 40 <220> FEATURE:  
 41 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
 43 <400> SEQUENCE: 1  
 44 Gly Leu Asp Ser Leu Leu Ile Ser Phe  
 45 1 5  
 48 <210> SEQ ID NO: 2  
 49 <211> LENGTH: 9  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
 56 <400> SEQUENCE: 2  
 57 Met Val Asp Pro Asn Gly Asn Glu Ser  
 58 1 5  
 61 <210> SEQ ID NO: 3  
 62 <211> LENGTH: 9  
 63 <212> TYPE: PRT  
 64 <213> ORGANISM: Artificial Sequence

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66 <220> FEATURE:  
67 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
69 <400> SEQUENCE: 3  
70 Leu Ala Phe Pro Leu Cys Ser Leu Tyr  
71 1 5  
74 <210> SEQ ID NO: 4  
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76 <212> TYPE: PRT  
77 <213> ORGANISM: Artificial Sequence  
79 <220> FEATURE:  
80 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
82 <400> SEQUENCE: 4  
83 Gly Leu Glu Glu Ala Gln Phe Trp Leu  
84 1 5  
87 <210> SEQ ID NO: 5  
88 <211> LENGTH: 9  
89 <212> TYPE: PRT  
90 <213> ORGANISM: Artificial Sequence  
92 <220> FEATURE:  
93 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
95 <400> SEQUENCE: 5  
96 Asp Ser Leu Leu Ile Ser Phe Ser Tyr  
97 1 5  
100 <210> SEQ ID NO: 6  
101 <211> LENGTH: 9  
102 <212> TYPE: PRT  
103 <213> ORGANISM: Artificial Sequence  
105 <220> FEATURE:  
106 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
108 <400> SEQUENCE: 6  
109 Val Leu Gly Asn Leu Thr Ile Ile Tyr  
110 1 5  
113 <210> SEQ ID NO: 7  
114 <211> LENGTH: 9  
115 <212> TYPE: PRT  
116 <213> ORGANISM: Artificial Sequence  
118 <220> FEATURE:  
119 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
121 <400> SEQUENCE: 7  
122 His Val Cys Ala Val Phe Ile Phe Tyr  
123 1 5  
126 <210> SEQ ID NO: 8  
127 <211> LENGTH: 9  
128 <212> TYPE: PRT  
129 <213> ORGANISM: Artificial Sequence  
131 <220> FEATURE:  
132 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
134 <400> SEQUENCE: 8  
135 Leu His Glu Pro Met Tyr Ile Phe Leu

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Input Set : D:\51158-20024.20 - Sub Seqlist .txt

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139 <210> SEQ ID NO: 9  
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145 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
147 <400> SEQUENCE: 9  
148 Gly Met Glu Ser Thr Val Leu Leu Ala  
149 1 5  
152 <210> SEQ ID NO: 10  
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154 <212> TYPE: PRT  
155 <213> ORGANISM: Artificial Sequence  
157 <220> FEATURE:  
158 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
160 <400> SEQUENCE: 10  
161 Gly Asn Glu Ser Ser Ala Thr Tyr Phe  
162 1 5  
165 <210> SEQ ID NO: 11  
166 <211> LENGTH: 9  
167 <212> TYPE: PRT  
168 <213> ORGANISM: Artificial Sequence  
170 <220> FEATURE:  
171 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
173 <400> SEQUENCE: 11  
174 Leu Ser Met Val His Arg Phe Ser Lys  
175 1 5  
178 <210> SEQ ID NO: 12  
179 <211> LENGTH: 9  
180 <212> TYPE: PRT  
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183 <220> FEATURE:  
184 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
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187 Ser Thr Val Leu Leu Ala Met Ala Phe  
188 1 5  
191 <210> SEQ ID NO: 13  
192 <211> LENGTH: 9  
193 <212> TYPE: PRT  
194 <213> ORGANISM: Artificial Sequence  
196 <220> FEATURE:  
197 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
199 <400> SEQUENCE: 13  
200 Ala Cys Asp Asp Ile Arg Val Asn Val  
201 1 5  
204 <210> SEQ ID NO: 14  
205 <211> LENGTH: 9  
206 <212> TYPE: PRT

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207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Artificially Synthesized Peptide
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214 1 5
217 <210> SEQ ID NO: 15
218 <211> LENGTH: 9
219 <212> TYPE: PRT
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Artificially Synthesized Peptide
225 <400> SEQUENCE: 15
226 Met Ala Pro Leu Pro Val Phe Ile Lys
227 1 5
230 <210> SEQ ID NO: 16
231 <211> LENGTH: 9
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
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238 <400> SEQUENCE: 16
239 Ser Ser Met Pro Lys Met Leu Ala Ile
240 1 5
243 <210> SEQ ID NO: 17
244 <211> LENGTH: 9
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
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251 <400> SEQUENCE: 17
252 Arg Ser Asn Ile Leu Ser His Ser Tyr
253 1 5
256 <210> SEQ ID NO: 18
257 <211> LENGTH: 9
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Artificially Synthesized Peptide
264 <400> SEQUENCE: 18
265 His Ala Thr Val Leu Thr Leu Pro Arg
266 1 5
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 9
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Artificially Synthesized Peptide
277 <400> SEQUENCE: 19

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## RAW SEQUENCE LISTING

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TIME: 09:18:06

Input Set : D:\51158-20024.20 - Sub Seqlist .txt

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278 Asn Leu Thr Ile Ile Tyr Ile Val Arg  
279 1 5  
282 <210> SEQ ID NO: 20  
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284 <212> TYPE: PRT  
285 <213> ORGANISM: Artificial Sequence  
287 <220> FEATURE:  
288 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
290 <400> SEQUENCE: 20  
291 Leu Leu Ala Met Ala Phe Asp Arg Tyr  
292 1 5  
295 <210> SEQ ID NO: 21  
296 <211> LENGTH: 9  
297 <212> TYPE: PRT  
298 <213> ORGANISM: Artificial Sequence  
300 <220> FEATURE:  
301 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
303 <400> SEQUENCE: 21  
304 Val Leu Leu Ala Met Ala Phe Asp Arg  
305 1 5  
308 <210> SEQ ID NO: 22  
309 <211> LENGTH: 9  
310 <212> TYPE: PRT  
311 <213> ORGANISM: Artificial Sequence  
313 <220> FEATURE:  
314 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
316 <400> SEQUENCE: 22  
317 Gly Ile Asp Ile Leu Ile Ser Thr Ser  
318 1 5  
321 <210> SEQ ID NO: 23  
322 <211> LENGTH: 9  
323 <212> TYPE: PRT  
324 <213> ORGANISM: Artificial Sequence  
326 <220> FEATURE:  
327 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
329 <400> SEQUENCE: 23  
330 Thr Arg Glu Ala Gln Ala Lys Ala Phe  
331 1 5  
334 <210> SEQ ID NO: 24  
335 <211> LENGTH: 9  
336 <212> TYPE: PRT  
337 <213> ORGANISM: Artificial Sequence  
339 <220> FEATURE:  
340 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
342 <400> SEQUENCE: 24  
343 Tyr Cys Leu His Gln Asp Val Met Lys  
344 1 5  
347 <210> SEQ ID NO: 25  
348 <211> LENGTH: 9

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/001,469B

DATE: 04/04/2006  
TIME: 09:18:07

Input Set : D:\51158-20024.20 - Sub Seqlist .txt  
Output Set: N:\CRF4\04042006\J001469B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1401; N Pos. 175,225,229,236,241,249,268,284,292,301,306,336,355,360  
Seq#:1401; N Pos. 416,430,443,475,476,482,494,503,504,506,524,525,531,532  
Seq#:1401; N Pos. 534,548,554,559,561,569,574,576,590,591,594,612,620,621  
Seq#:1401; N Pos. 622,636,648,657,660,673,674,685,695,698,708,710,712,722  
Seq#:1401; N Pos. 739,747,751,752,760,764,767,776,778,787,789,790,792,793  
Seq#:1401; N Pos. 794,797,807,817,819,823,824,830,839,840,841,845,849,850  
Seq#:1401; N Pos. 853,856,857,865,866,869,871,879,882,892,893,894,896,902  
Seq#:1401; N Pos. 903,904,916,917,925,930,939,944,965,969,970,977,978,979  
Seq#:1401; N Pos. 981,982,984,992,998  
Seq#:1403; N Pos. 175  
Seq#:1406; Xaa Pos. 55,71,73,75,83,88,91,94,104,111,130,135,139,150,152,156  
Seq#:1406; Xaa Pos. 159,160,166,168,169,174,176,178,181,183,187,188,197,198  
Seq#:1406; Xaa Pos. 210,215,219,222,223,226,227,228,231,237,239,241,244,245  
Seq#:1406; Xaa Pos. 246,249,250,253,254,255,256,263,265,267,270,271,272,274  
Seq#:1406; Xaa Pos. 275,276,279,280,281,283,284,288,289,291,292,295,298,299  
Seq#:1406; Xaa Pos. 304,311,313,315,316,317,320,322  
Seq#:1407; Xaa Pos. 56,72,76,77,80,92,97,99,109,117,136,139,144,154,155,157  
Seq#:1407; Xaa Pos. 161,164,165,171,173,174,178,180,181,182,185,187,192,193  
Seq#:1407; Xaa Pos. 199,202,207,211,214,215,219,220,227,228,231,232,236,241  
Seq#:1407; Xaa Pos. 244,246,250,251,254,257,258,259,260,261,264,268,270,272  
Seq#:1407; Xaa Pos. 275,277,278,281,284,285,288,289,292,293,294,296,300,301  
Seq#:1407; Xaa Pos. 305,308,310,317,318,321,322,323,326  
Seq#:1408; Xaa Pos. 58,75,76,80,83,89,94,97,100,102,112,118,120,138,143,147  
Seq#:1408; Xaa Pos. 158,160,167,172,173,175,176,182,184,185,189,190,195,196  
Seq#:1408; Xaa Pos. 202,204,205,210,214,217,218,222,226,229,230,234,235,243  
Seq#:1408; Xaa Pos. 246,247,250,252,256,259,260,261,266,269,270,271,273,276  
Seq#:1408; Xaa Pos. 277,278,280,281,282,285,286,287,290,291,294,295,298,302  
Seq#:1408; Xaa Pos. 305,307,310,318,320,323,324,325  
Seq#:2858; N Pos. 150,151,152,153,154,155,156  
Seq#:2879; Xaa Pos. 1,3,13

## VERIFICATION SUMMARY

DATE: 04/04/2006

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TIME: 09:18:07

Input Set : D:\51158-20024.20 - Sub Seqlist .txt

Output Set: N:\CRF4\04042006\J001469B.raw

L:18255 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1401  
L:18260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1401  
L:18263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1401 after pos.:120  
M:341 Repeated in SeqNo=1401  
L:18303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1403 after pos.:120  
L:18357 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1406  
L:18364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1406 after pos.:48  
M:341 Repeated in SeqNo=1406  
L:18421 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1407  
L:18428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1407 after pos.:48  
M:341 Repeated in SeqNo=1407  
L:18485 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1408  
L:18492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1408 after pos.:48  
M:341 Repeated in SeqNo=1408  
L:33103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2858 after pos.:120  
L:33694 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:33699 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2879  
L:33703 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2879  
L:33704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2879 after pos.:0